

**FIG. 1** (RELATED ART)

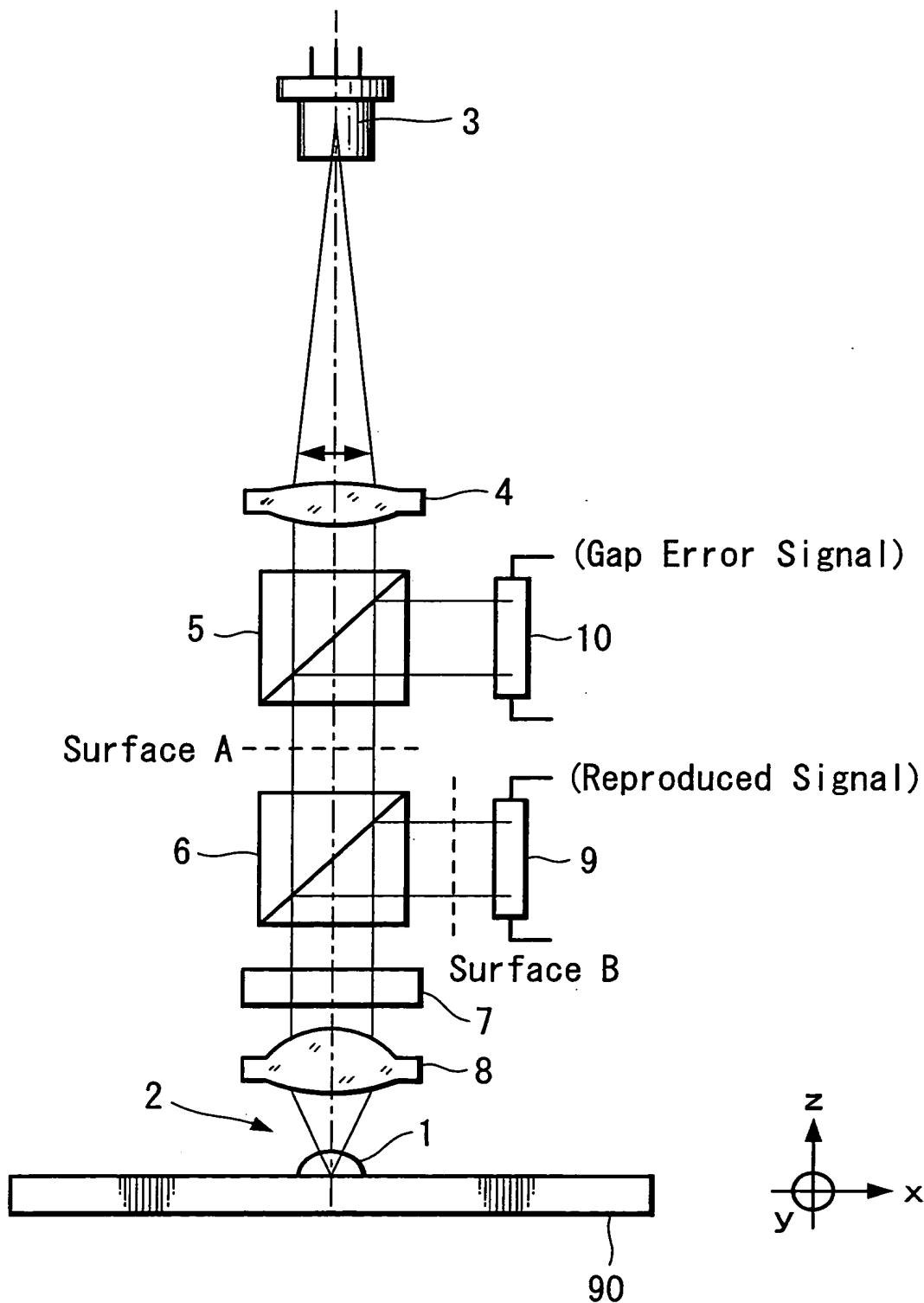
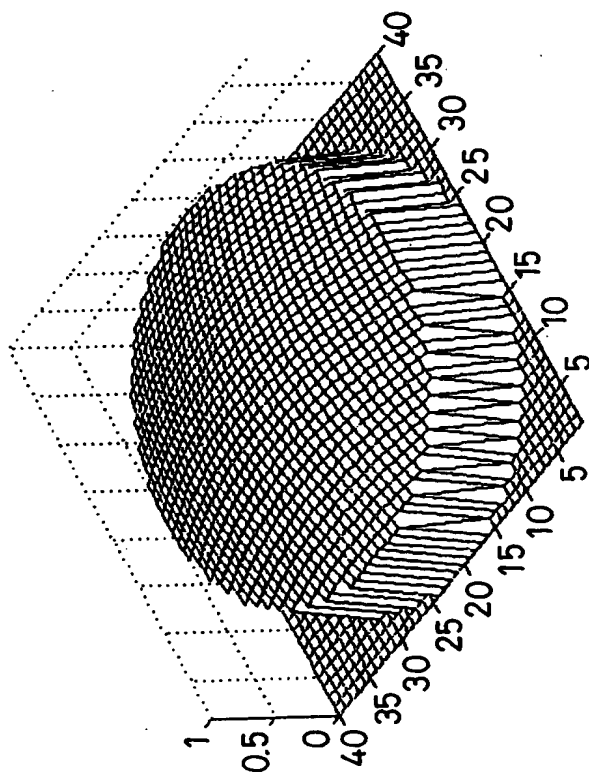
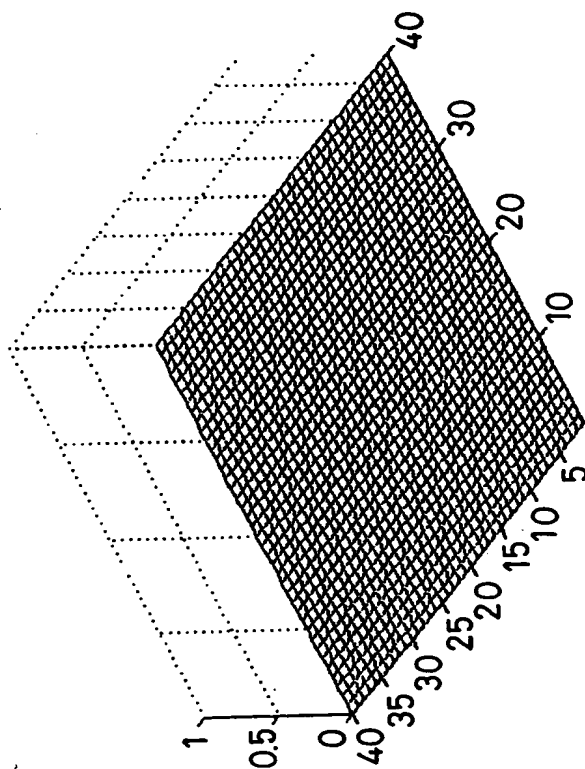


FIG. 2A (RELATED ART)



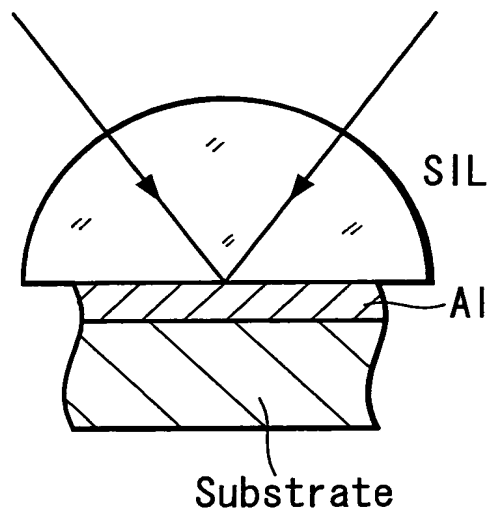
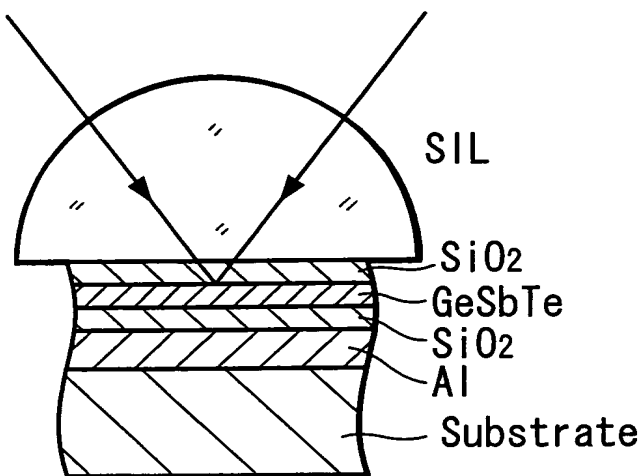
X Component of Electric Field

FIG. 2B (RELATED ART)



Y Component of Electric Field

**FIG. 3A** (RELATED ART)    **FIG. 3B** (RELATED ART)



**FIG. 5** (RELATED ART)

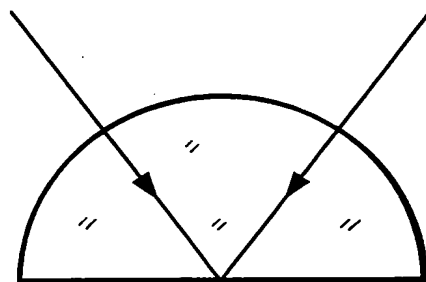
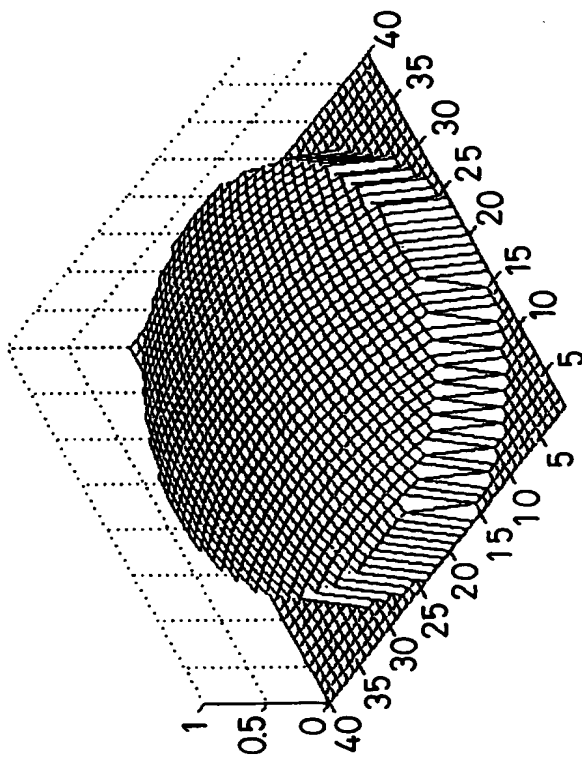
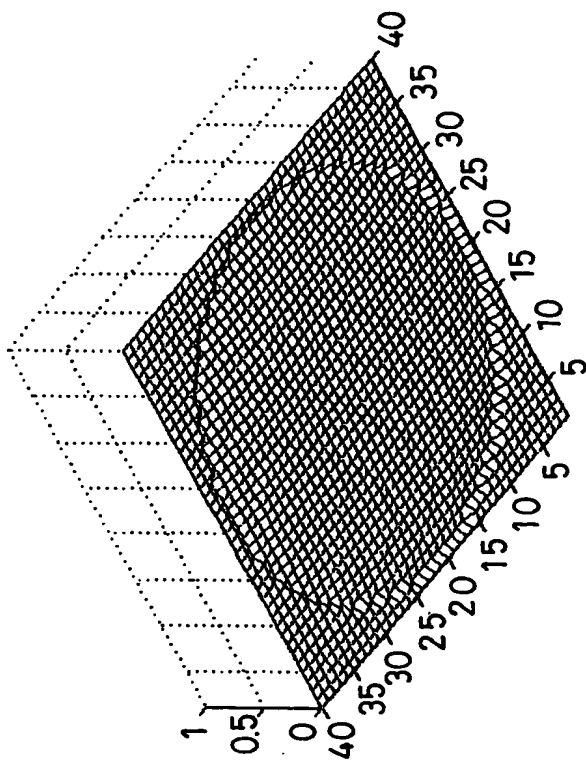


FIG. 4A (RELATED ART)



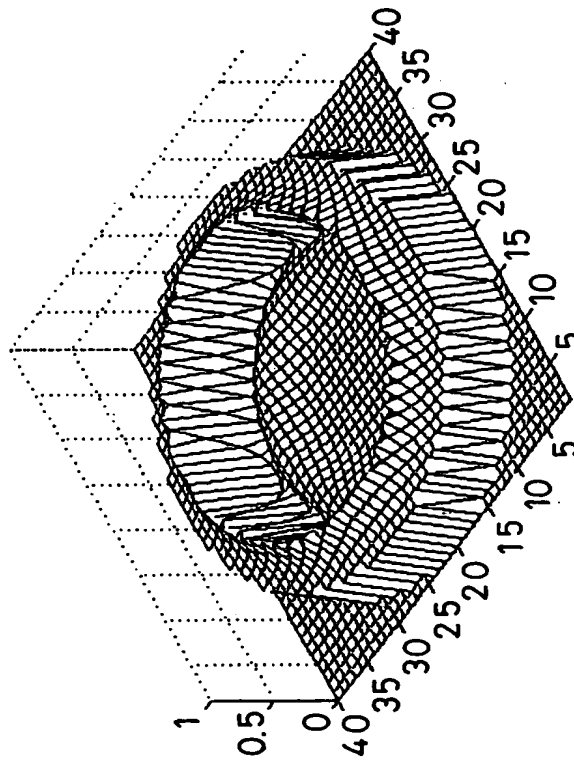
Light Intensity on Surface B

FIG. 4B (RELATED ART)



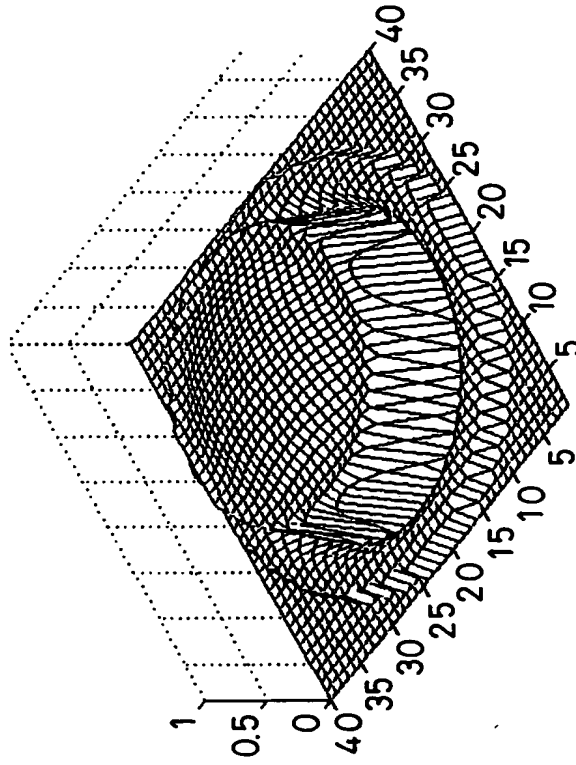
Intensity of Light Returned to Surface A

FIG. 6A (RELATED ART)



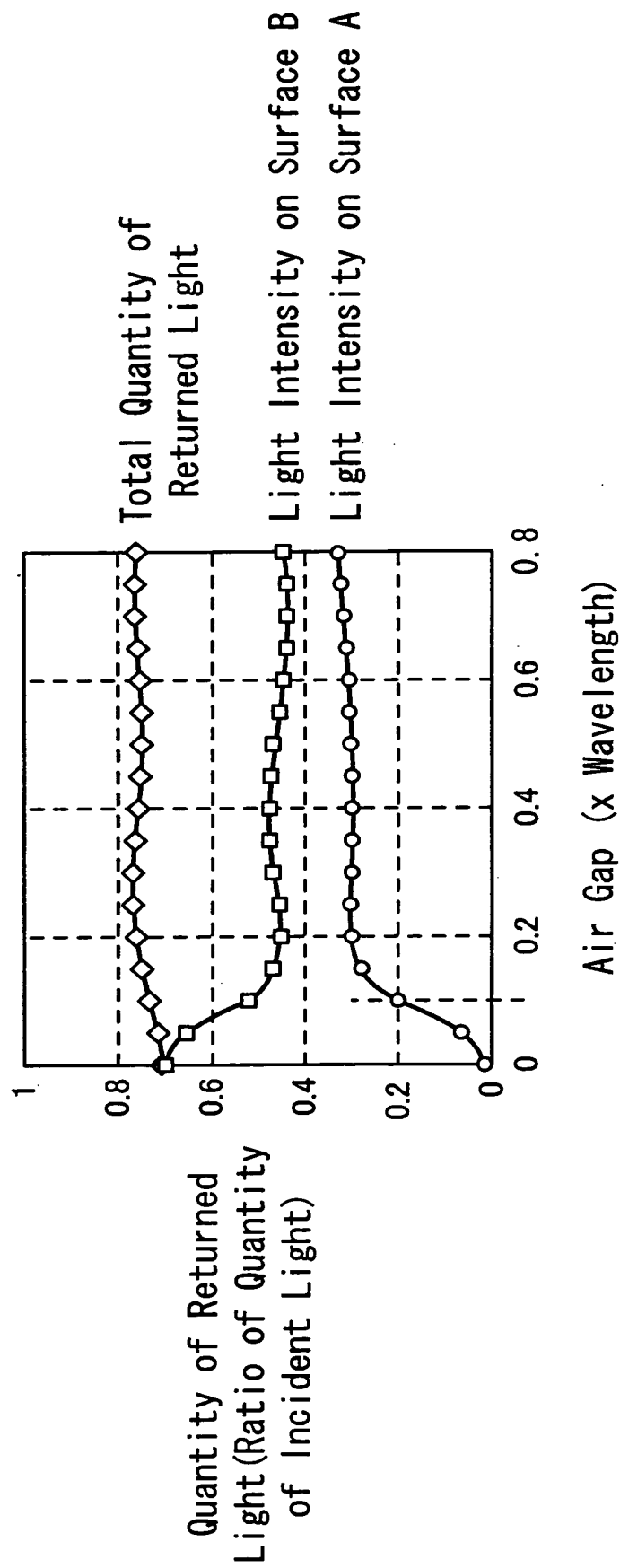
Intensity of Light Returned  
to Surface A

FIG. 6B (RELATED ART)

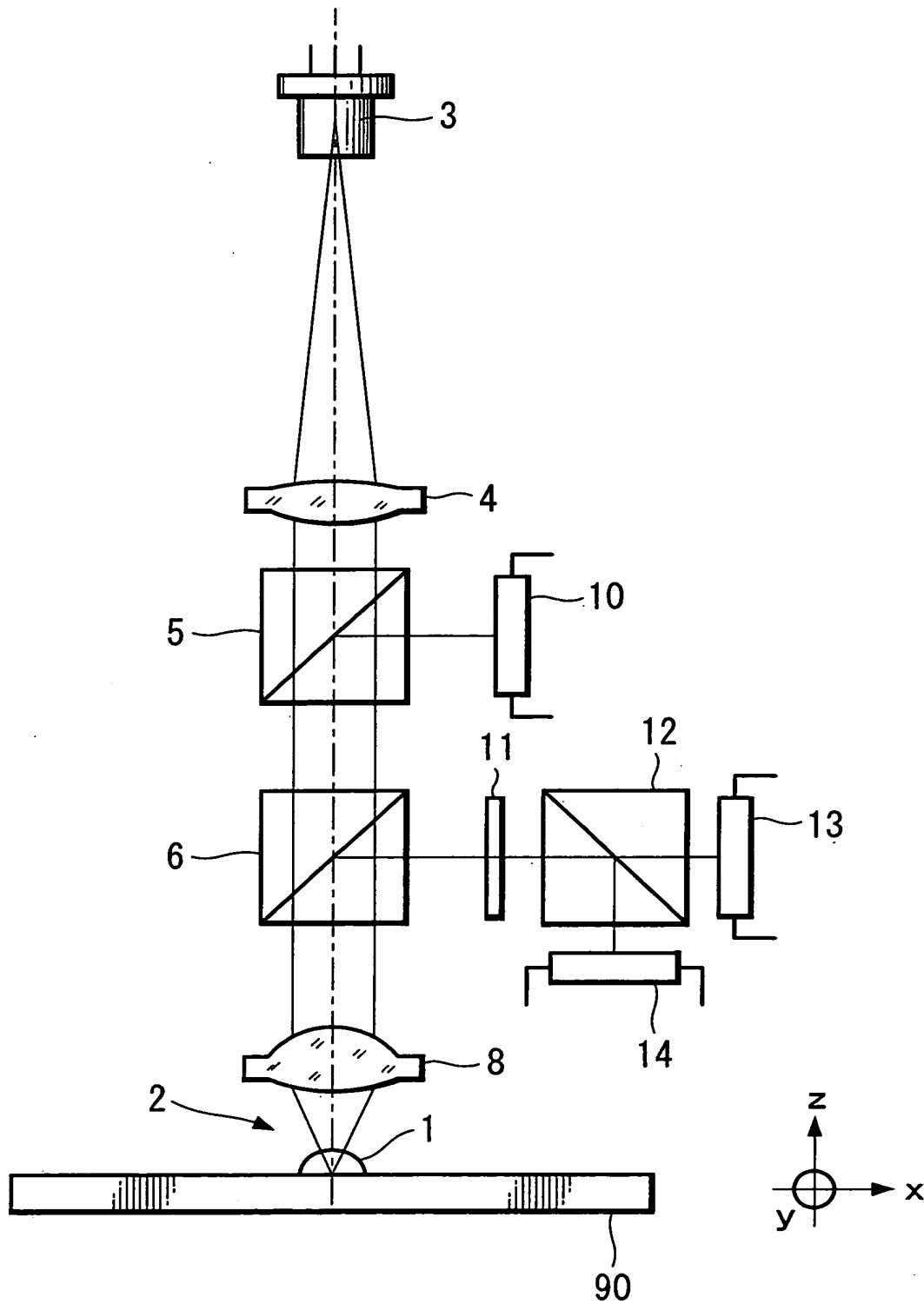


Light Intensity on Surface B

**FIG. 7** (RELATED ART)



**FIG. 8** (RELATED ART)



**FIG. 9** (RELATED ART)

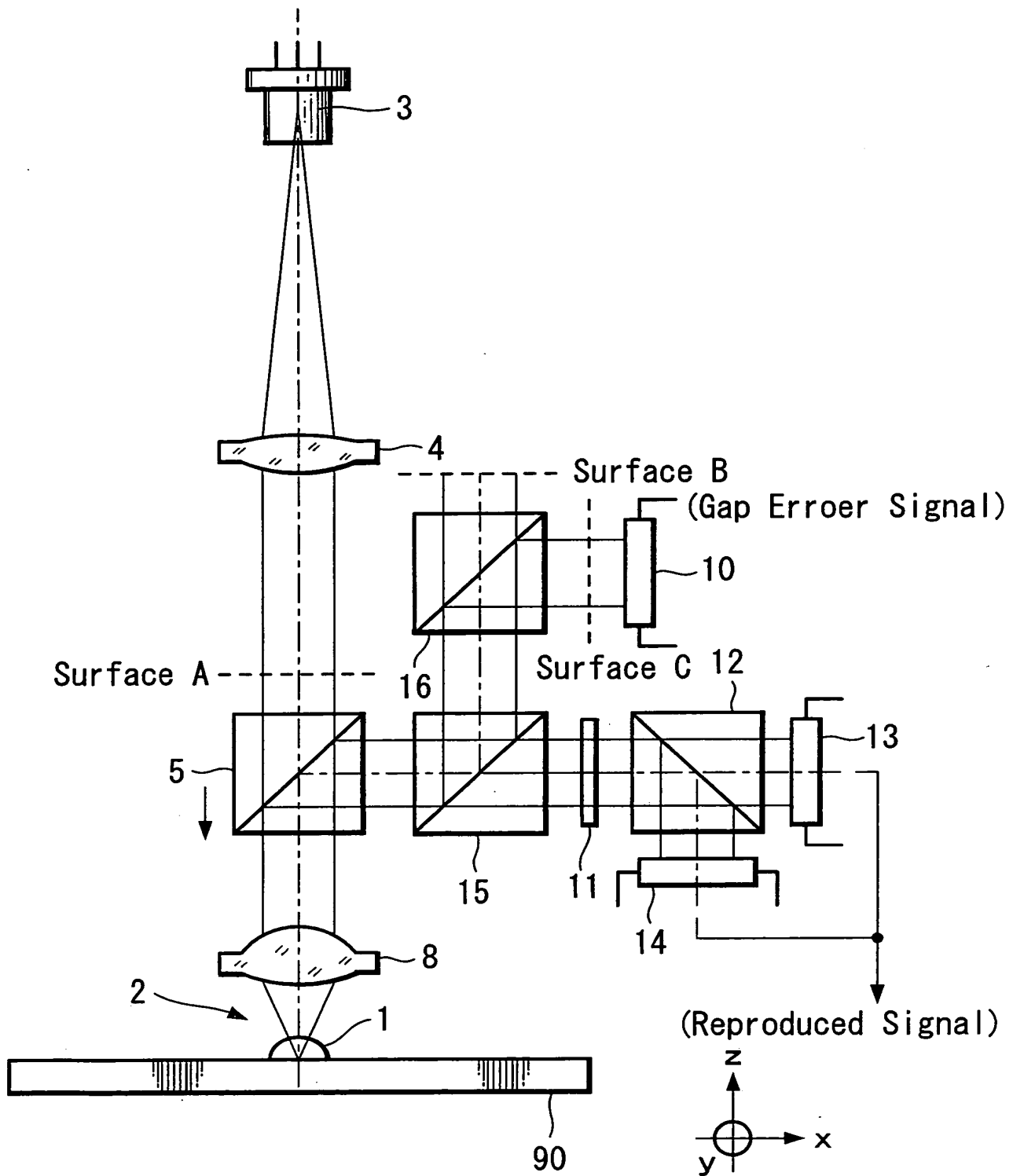




FIG. 10  
(RELATED ART)

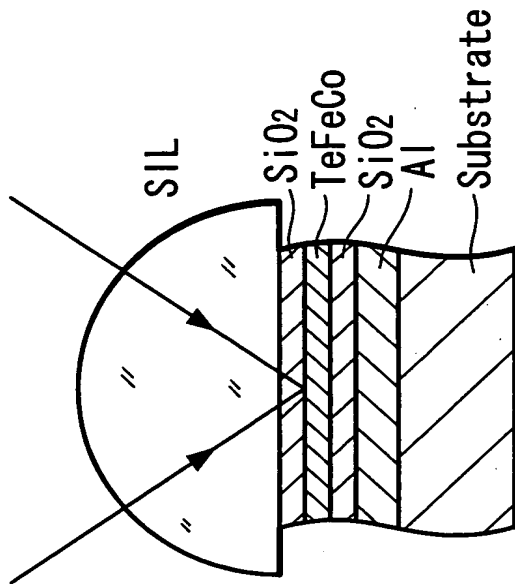


FIG. 13  
(RELATED ART)

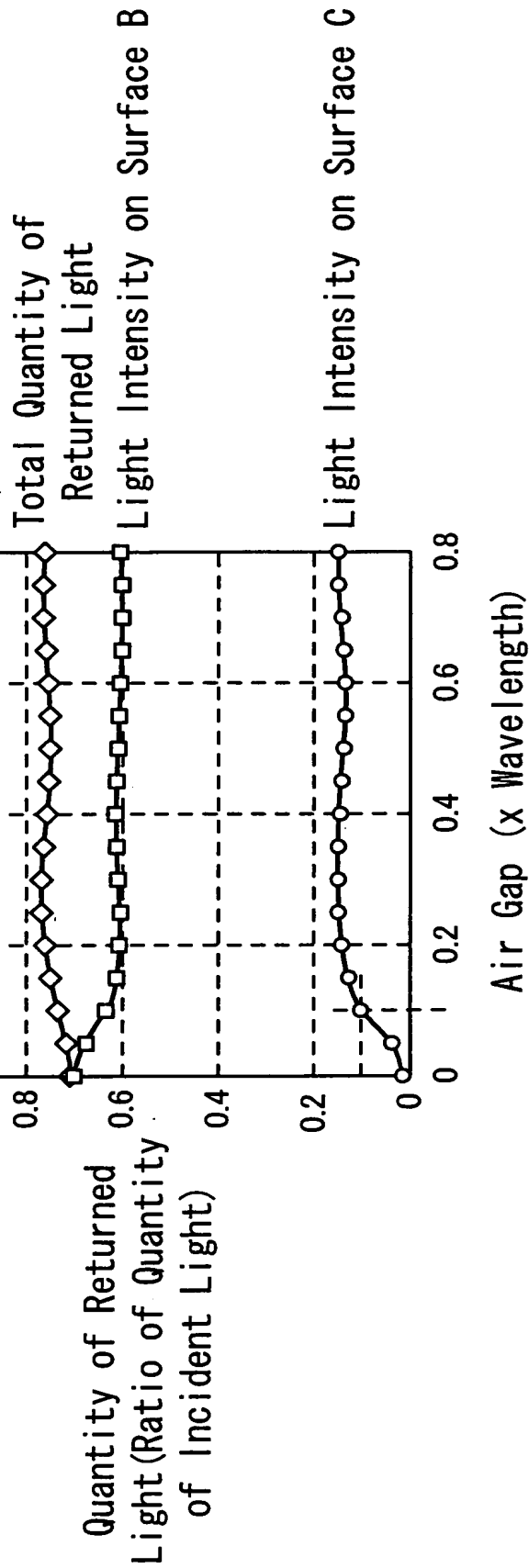
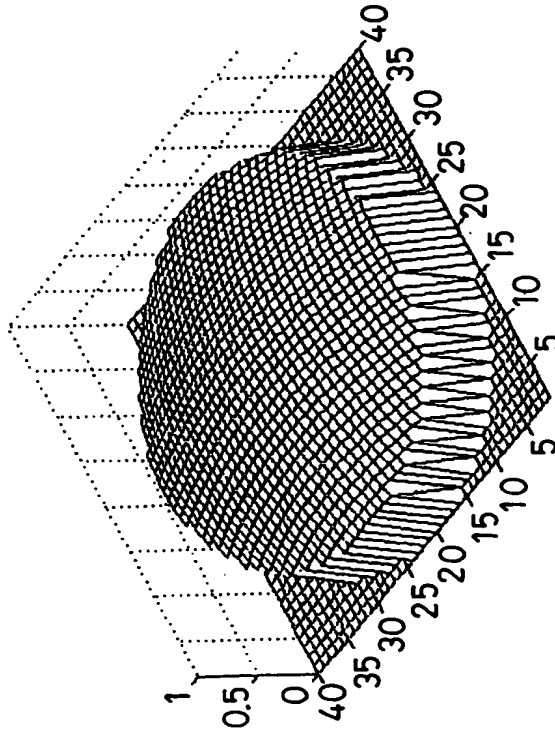
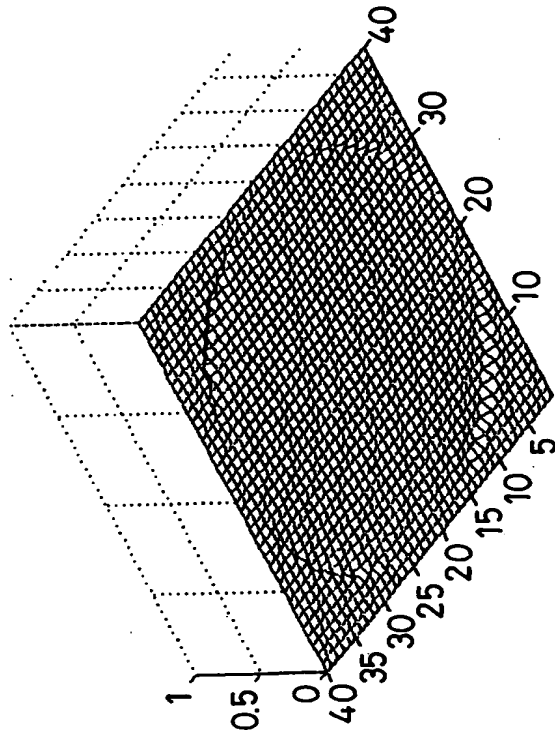


FIG. 11A (RELATED ART)



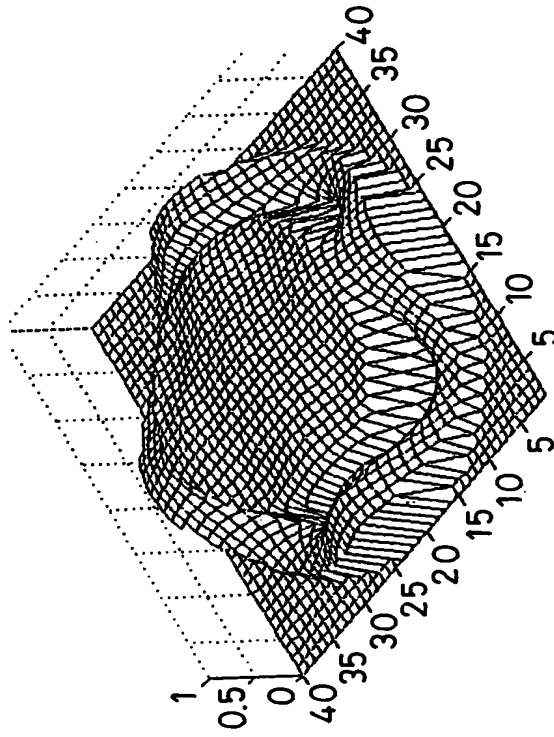
Light Intensity on Surface B

FIG. 11B (RELATED ART)



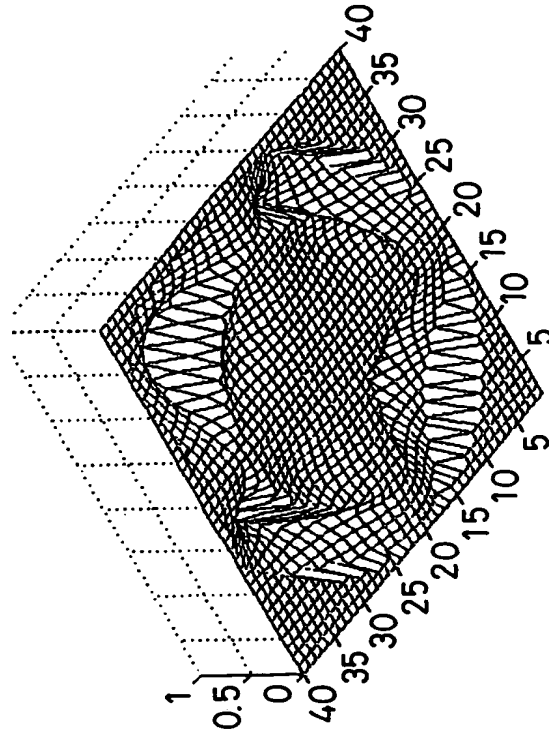
Light Intensity on Surface C

FIG. 12A (RELATED ART)



Light Intensity on Surface B

FIG. 12B (RELATED ART)



Light Intensity on Surface C

FIG. 14A

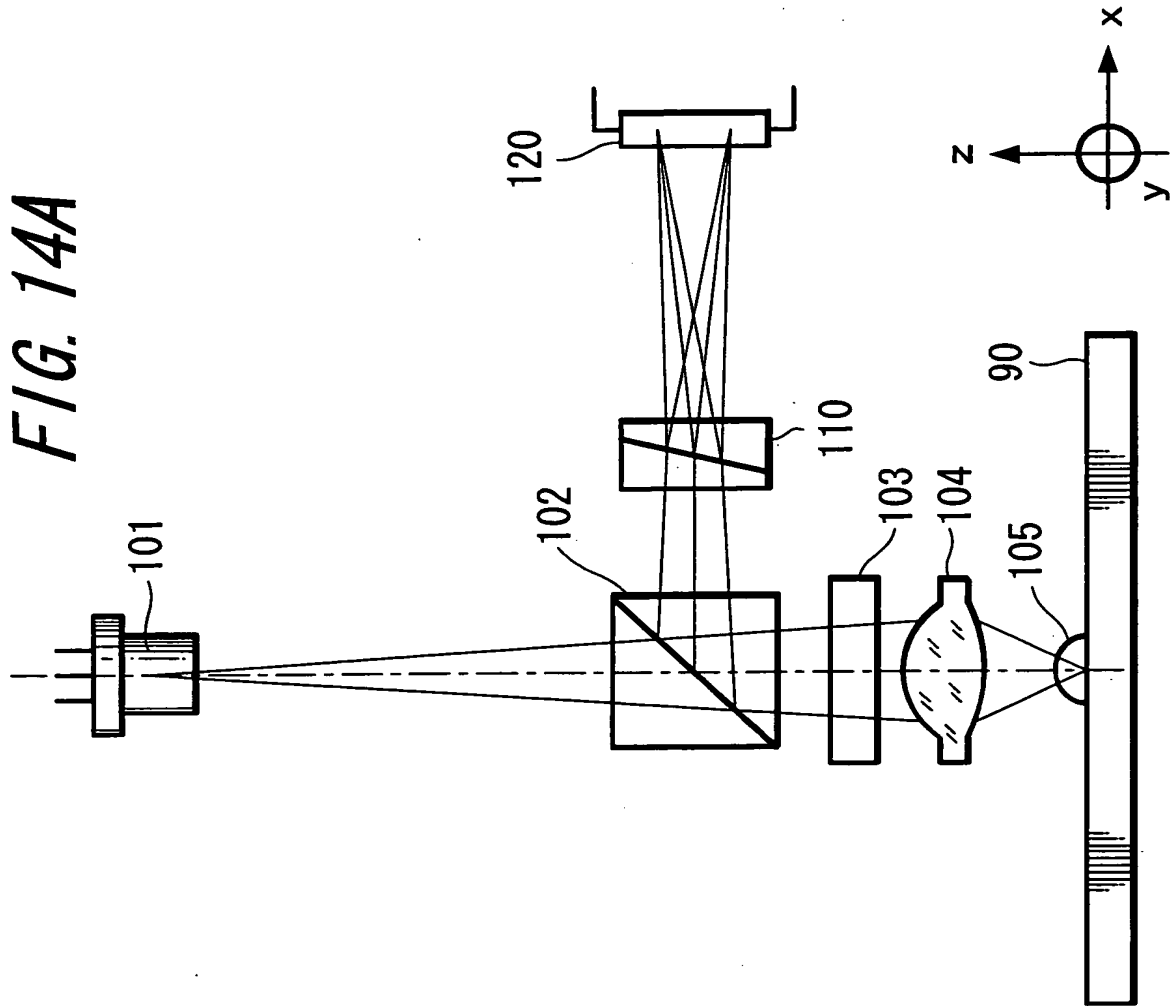
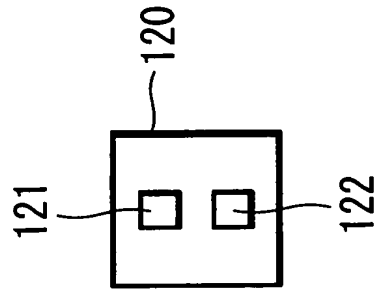
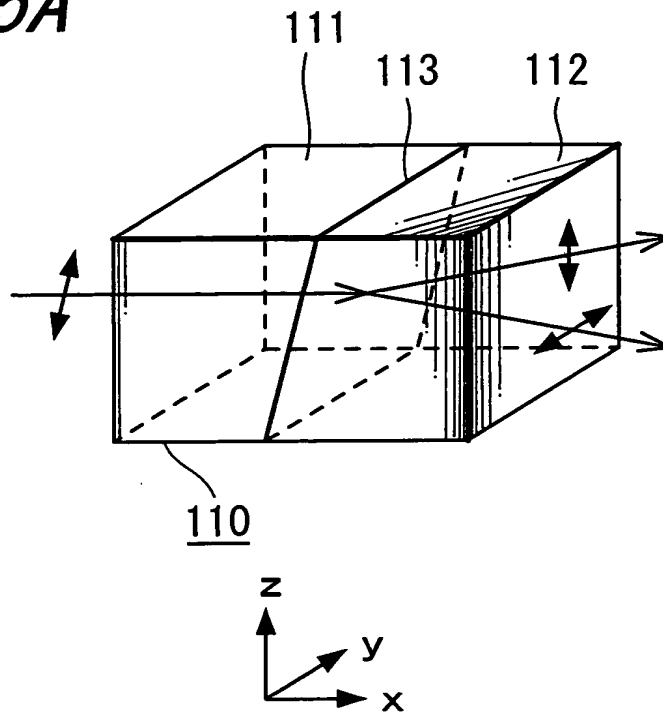


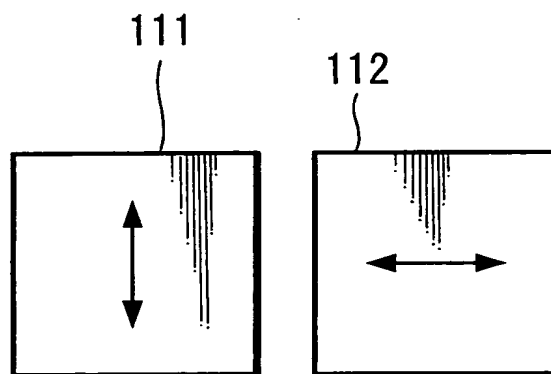
FIG. 14B



*FIG. 15A*



*FIG. 15B*



C-Axis Direction

$n_1$ : Refractive Index of  
C-Axis Direction

$n_2$ : Refractive Index of  
Opposite Direction

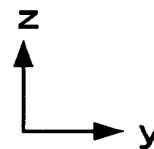


FIG. 16A

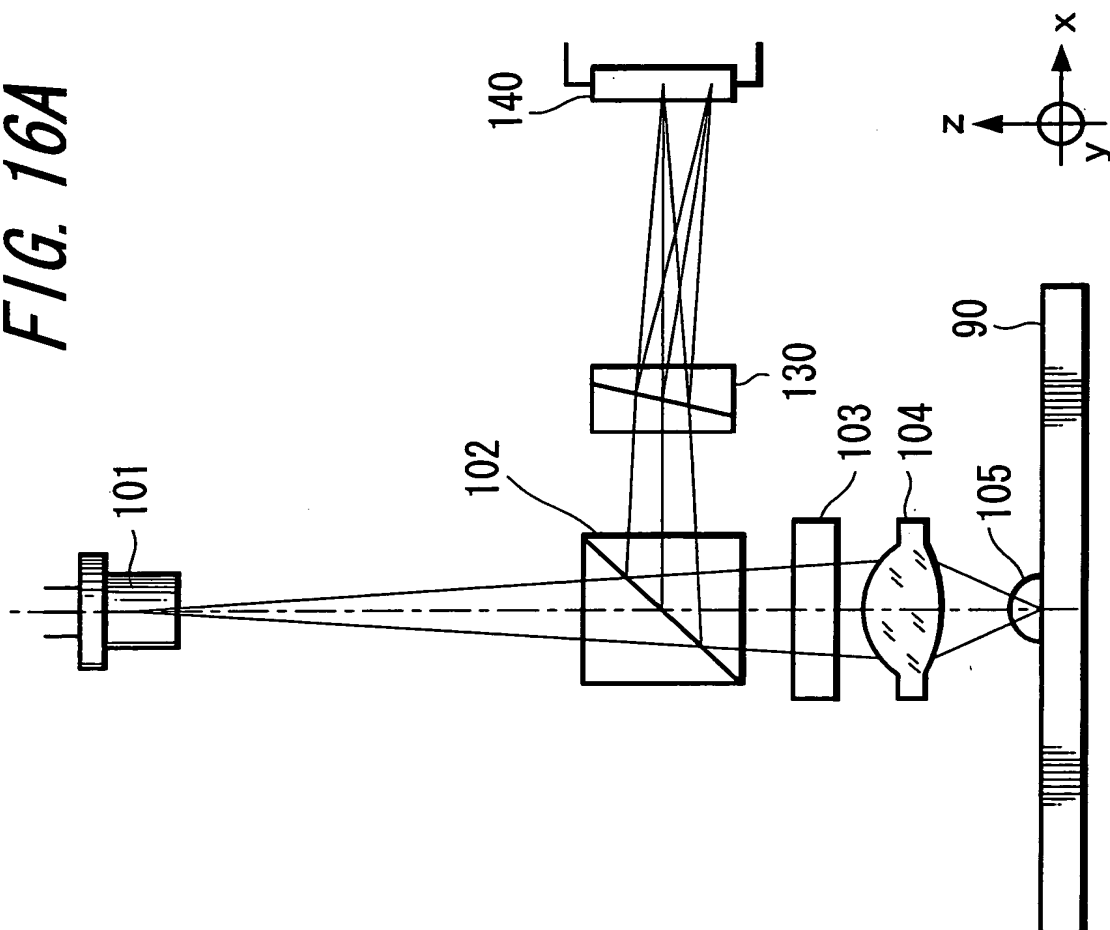
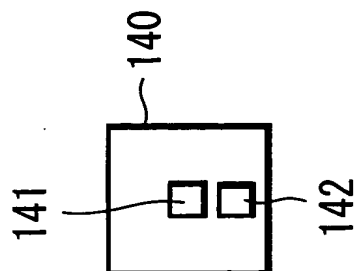
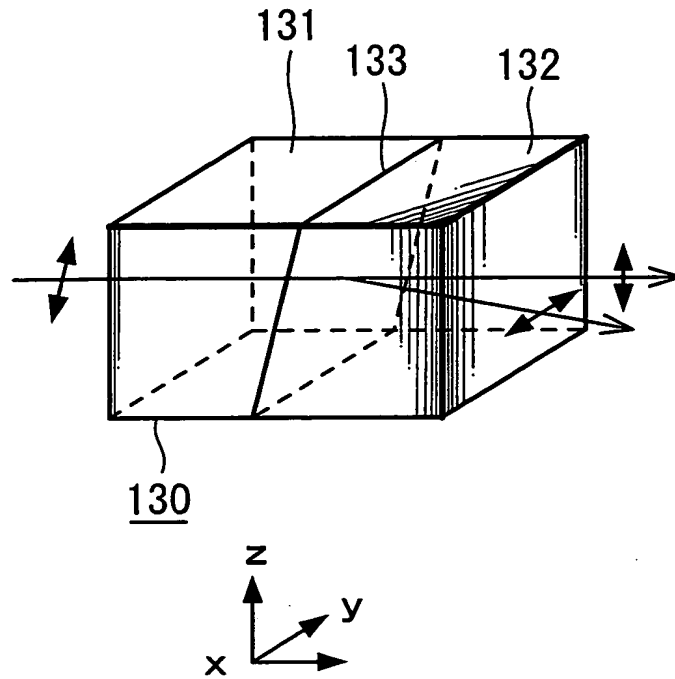


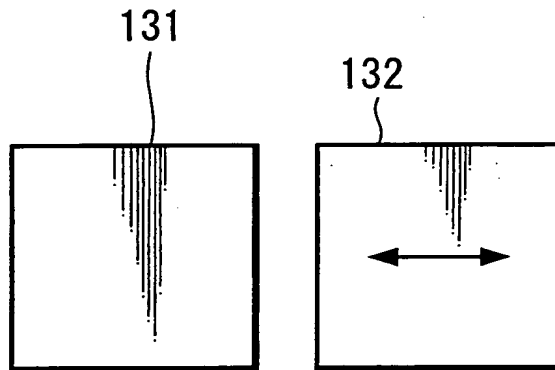
FIG. 16B



*FIG. 17A*



*FIG. 17B*

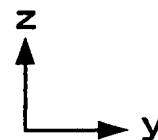


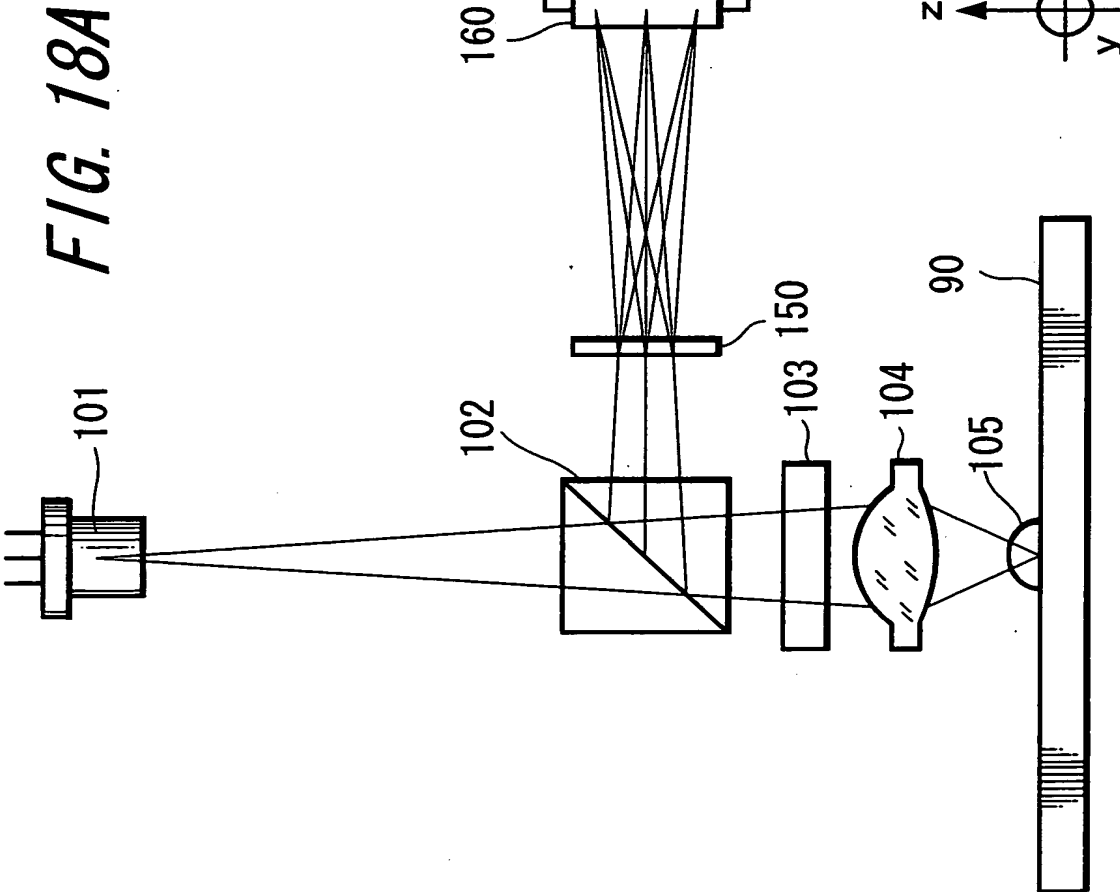
C-Axis Direction

$n_1$ : Refractive Index of  
C-Axis Direction

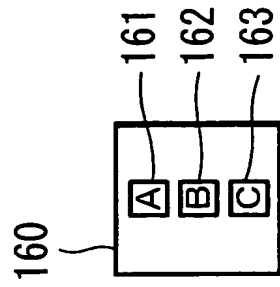
$n_2$ : Refractive Index of  
Opposite Direction

$n_g$ : Refractive Index of Glass





**FIG. 18B**



A or A+C: to Detect Gap Error Signal  
B: to Detect RF Signal



FIG. 19A

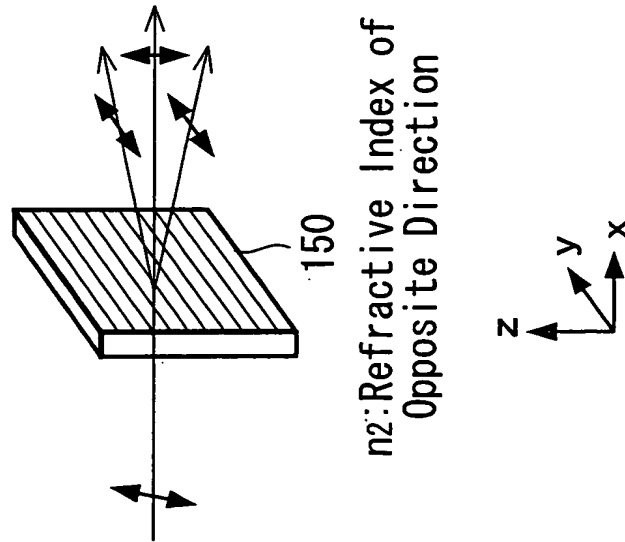


FIG. 19B

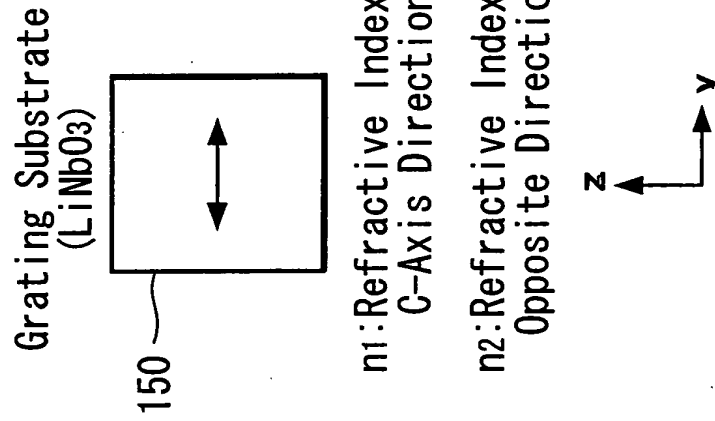


FIG. 19C

